

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 11199781
PUBLICATION DATE : 27-07-99

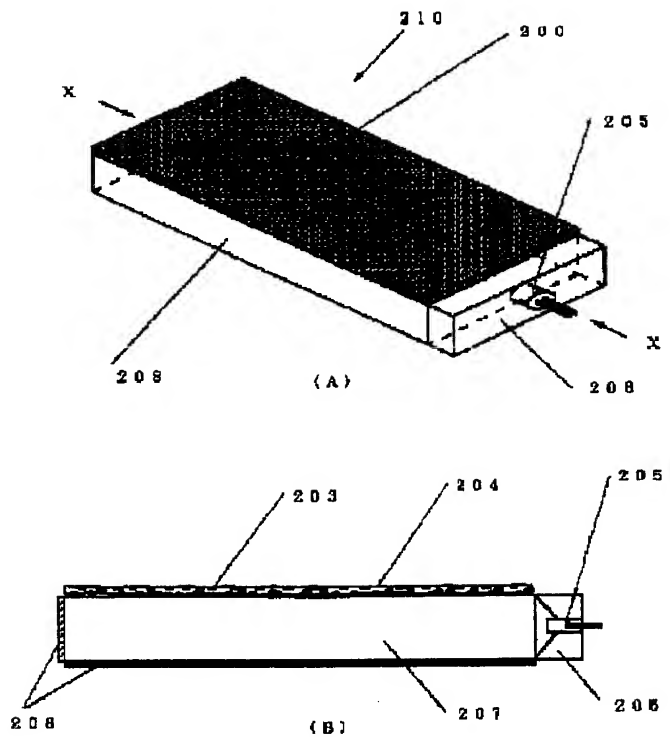
APPLICATION DATE : 08-01-98
APPLICATION NUMBER : 10002425

APPLICANT : NICHIA CHEM IND LTD;

INVENTOR : NAKANISHI EIJI;

INT.CL. : C08L101/00 C08J 5/18 C08K 3/22
C09K 11/80 H01L 33/00

TITLE : COLOR CONVERSION SHEET AND
LUMINESCENT DEVICE USING SAME



ABSTRACT : PROBLEM TO BE SOLVED: To provide a color conversion sheet comprising a resin and a phosphor contained therein, esp. a visible-ray conversion sheet excellent in resistances to heat, impact, and chemicals and in prevention of contamination by impurities, and a luminescent device prepd. by using the same.

SOLUTION: This luminescent device has a luminescent element (205) at least having a nitride semiconductor in a luminescent layer and a color change sheet (200) contg. an inorg. phosphor (203) which is contained in a resin sheet (204) transmitting blue light from the luminescent element (205), is excited by the luminescent wavelength from the luminescent element (205), and emits fluorescence having a wavelength longer than the luminescence wavelength. The inorg. phosphor (203) is a cerium-activated yttrium/aluminum/garnet phosphor, and the resin sheet (204) is a polyarylate or polycarbonate.

COPYRIGHT: (C)1999,JPO